

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 05/29/2018 09:49 AM
Cytometer Baseline: 05/12/2018 04:21 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80291 **Expiration Date:** 02/29/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125480	0	1.29	125484	1.29
Blue	F	SSC	125000	123960	-1	1.90	124667	1.89
Blue	E	FITC	15760	15319	-3	2.96	332	21.99
Blue	D	PE	25880	25239	-3	2.03	550	16.30
Blue	B	PerCP-Cy5-5	34075	34228	0	4.13	1048	22.69
Blue	A	PE-Cy7	22776	22904	0	7.36	557	44.55
Red	C	APC	42488	41737	-2	2.69	1584	13.00
Red	A	APC-Cy7	24478	24196	-2	2.83	832	12.59
Violet	B	V450	6304	5981	-6	4.22	350	17.12
Violet	A	V500	26005	24956	-5	3.78	586	12.57

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21092	4.50	604	7	N/A	N/A	Pass
Blue	F	SSC	55980	1.37	566	11	N/A	N/A	Pass
Blue	E	FITC	57	75.94	558	2	0.0170	248	Pass
Blue	D	PE	113	56.74	552	3	0.1376	305	Pass
Blue	B	PerCP-Cy5-5	198	55.73	653	6	0.0074	84	Pass
Blue	A	PE-Cy7	106	113.15	705	8	0.0094	32	Pass
Red	C	APC	377	27.77	599	-1	0.0213	192	Pass
Red	A	APC-Cy7	203	28.78	571	0	0.0052	1541	Pass
Violet	B	V450	61	68.60	485	-4	0.0246	1831	Pass
Violet	A	V500	89	42.80	503	-3	0.0147	1059	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.16	-30.86	0.92
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.41
Red	16.95	13.60 - 20.40	N/A	N/A	30.81	31.26	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12209

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments